

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,394	08/30/2001	Steve Van Kirk	303.755US1	3192
21186	7590 12/08/2005		EXAM	INER
	MAN, LUNDBERG, WOE	DINH, TUAN T		
1600 TCF TO 121 SOUTH	OWER EIGHT STREET		ART UNIT	PAPER NUMBER
MINNEAPO	DLIS, MN 55402	2841		
			DATE MAILED: 12/08/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

				Ne.			
•		Application No.	Applicant(s)	M			
Office Action Summer		09/945,394	KIRK, STEVE VAN				
	Office Action Summary	Examiner	Art Unit				
		Tuan T. Dinh	2841				
Period fo	The MAILING DATE of this communication apports.	pears on the cover sheet	with the correspondence address -	-			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DON'S IN THE MAILING DON'S IN THE MAILING DON'S IN THE MONTH'S FOR THE MAILING DON'S IN THE MONTH'S FOR THE MONTH'S FOR THE MONTH STATE OF THE MONTH STA	ATE OF THIS COMMUN 36(a). In no event, however, may will apply and will expire SIX (6) Mo	IICATION. a reply be timely filed ONTHS from the mailing date of this communicates ABANDONED (35 U.S.C. & 133)				
Status							
1)🛛	Responsive to communication(s) filed on <u>03 O</u>	ctober 2005.					
2a)□	This action is FINAL . 2b) This action is non-final.						
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under E	x parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposit	ion of Claims						
5)□ 6)⊠ 7)□	Claim(s) <u>8-46,48 and 50-65</u> is/are pending in the state of the above claim(s) <u>8-19,21-46,48 and 56</u> Claim(s) is/are allowed. Claim(s) <u>20</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	<u>0-65</u> is/are withdrawn fro	m consideration.				
Applicati	ion Papers						
10)□	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to drawing(s) be held in abeya ion is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.12				
Priority ι	under 35 U.S.C. § 119						
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priorical application from the International Bureausee the attached detailed Office action for a list of the certified copies of the attached detailed Office action for a list of the certified copies of the certified copies of the priorical copies of the priorical copies of the certified copies of the priorical copies of th	s have been received. s have been received in ity documents have bee ı (PCT Rule 17.2(a)).	Application No n received in this National Stage				
Attachment	t(s)						
	e of References Cited (PTO-892)		Summary (PTO-413)				
3) 🔲 Inforn	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		(s)/Mail Date Informal Patent Application (PTO-152) 				

DETAILED ACTION

The request filed on 10/03/05 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 09/945,394 is acceptable and a RCE has been established. An action on the RCE follows.

Claims 1-7, 47, and 49 have been canceled in the response filed on 10/03/05.

Claims 8-19, 21-27, 31-33, 39-42, and 50-64 have been withdrawn and stated from the previous Office actions.

Claims 28-30, 34-38, 43, 44-46, 48, and 65 have been added a new limitations of "the first and second interstices forming a complementary shape" that would not read on Specie XII (figure 15), the limitations does read on figure 5, see the specification paragraph [0050], or page 12, the first paragraph.

Therefore, claims 28-30, 34-38, 43-46, 48, and 65 are withdrawn from further consideration as being drawn to non-elected subject matter.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

⁽b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 20 is rejected under 35 U.S.C. 102(b) as being anticipated by Kumagai et al. (U. S. Patent 6,147,573), as in the record.

As to claim 20, Kumagai et al. discloses a circuit board as shown in figures 3B-3C comprising:

first and second conductive layers (20) including first and second interstices (29), wherein the first interstice (29) has a plurality of first widths laying in a first plane, see figure 3B, the width of the first interstice wounded around and parallel with the surface of the conductor layer 20; the second interstice (29) engaged with the first interstice by a dielectric layer (1) disposed between the first and second interstices (29) to form a capacitor (28), wherein the second interstice (29) has a second width laying in a second plan; the first and second planes are substantially parallel, and wherein the second width is substantially overlaps at least two of the plurality of the first width.

Response to Arguments

Applicant's arguments with respect to claims 8-46, 48, and 50-65 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan Dinh

December 01, 2005.